

5GHz 300Mbps Hi-Power Outdoor Wireless Grid Bridge

WIS-G5250

WiD™

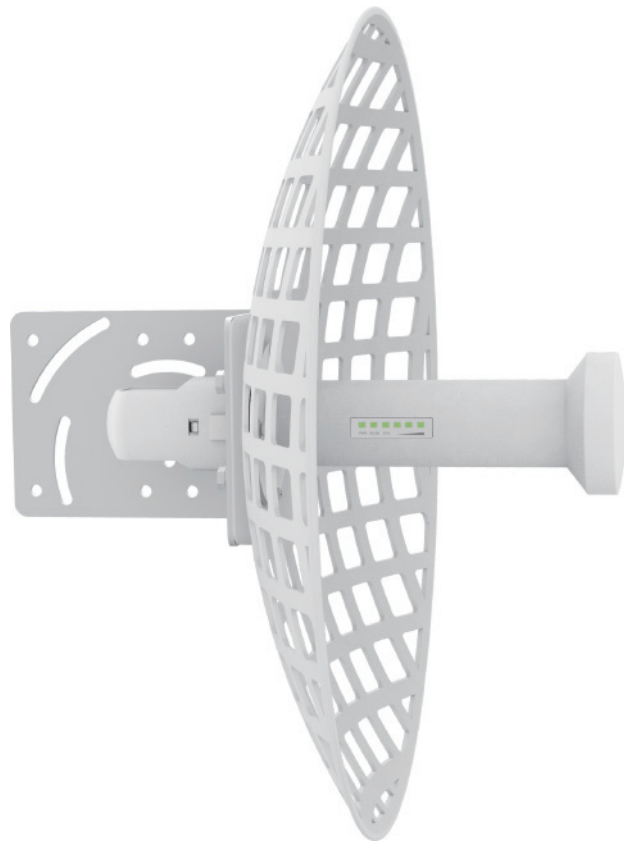
TDMA protocol

25dBi

dual-pola antenna

≈210Mbps+

real throughput



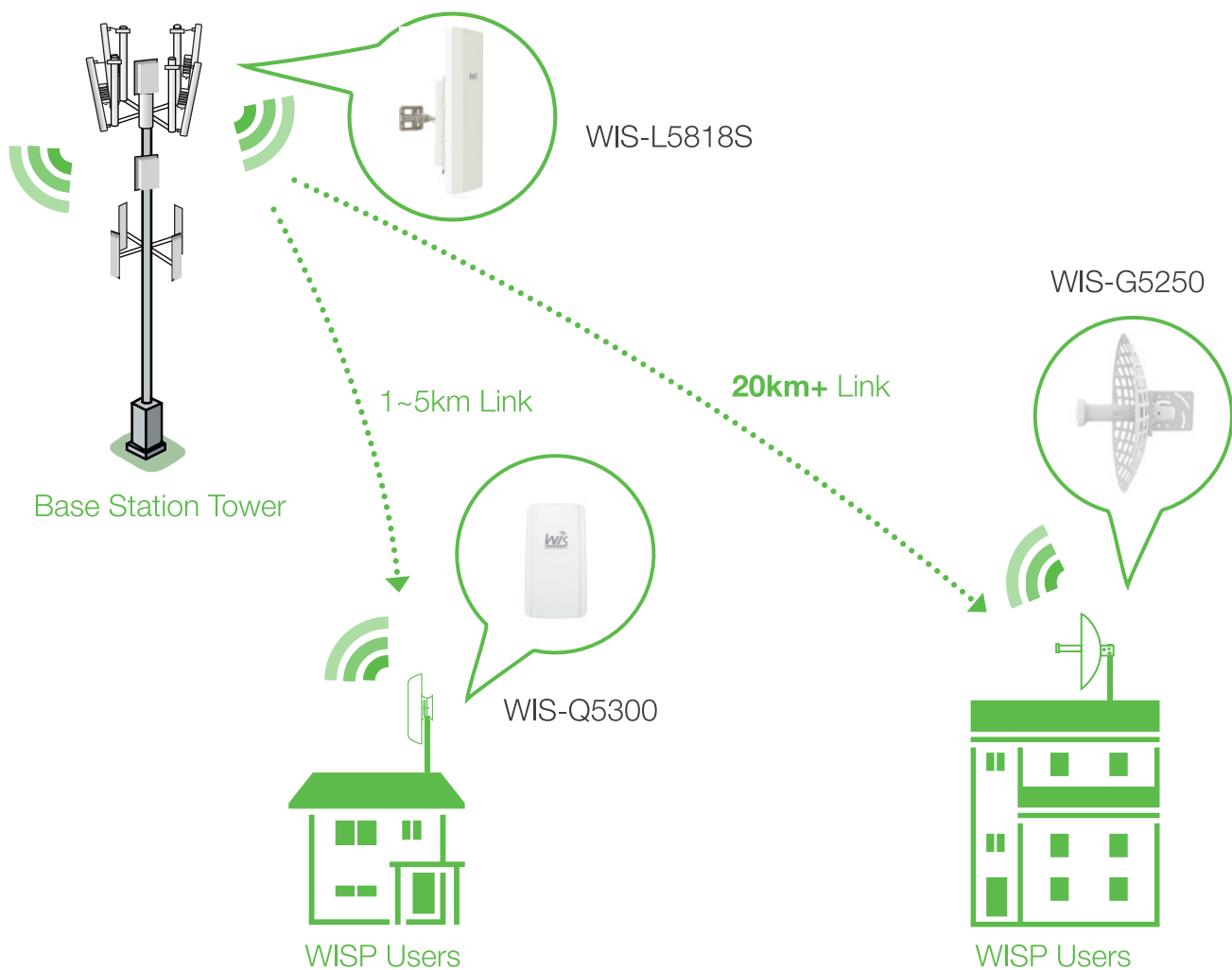
Product Overview

WIS-G5250 is a 300Mbps 2*2 MIMO Hi-Power outdoor wireless grid bridge for extremely long range point-to-point solutions. It is revolutionary radio-in-feed dish design with high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary WiD TDMA technology, WIS-G5250 is fully compatible with Wisnetworks base station and CPE thus greatly improving the network scalability in throughput and latency. With 25dBi dual-polarized dish antenna, a pair of WIS-G5250 can easily build 50km+ long range wireless connection and keep a high speed rate. WIS-G5250 is best applied to rural wireless Internet, wireless backhaul and other industrial wireless solutions.

Features and Benefits

- WiD TDMA greatly improves the network scalability in throughput and latency
- 25dBi dual-polarized dish antenna to build robust long range wireless PtP link
- Gigabit LAN port helps get maximum wireless performance
- Grid design largely increases the wind resistance performance
- Compliant with 802.11a/n, speed up to 300Mbps
- High output transmission power and receive sensitivity optimized
- Passive POE(24VDC) for flexible deployment
- Weather-proof design for outdoor environment
- Up to16kV ESD protection

Network Example



The WIS-G5250 as a station in PtMP WISP connection.

Specification

> Radio

- 802.11a/n radio (Atheros 600MHz)
- Speed up to 300 Mbps
- Frequency Range: 5.150-5.250GHz
 - 5.250-5.350GHz (Support DFS)
 - 5.470-5.725GHz (Support DFS)
 - 5.725-5.825GHz
- Tx Power up to 27dBm
- Rx Sensitivity 300M: -74dBm@10% PER
 - 54M: -78dBm@10% PER
 - 1M: -98dBm@10% PER

> Antenna

- 25dBi dual-polarized dish antenna
- Beamwidth(HPBW) Horizontal: 11°, Vertical: 11°
- Open space up to 1~25km (dependent)

>Physical Parameters

- Dimension: 228*228*76mm
- Wight: 1.5kg
- Enclosure: Die-cast Aluminum
- ESD Protection: 16kV
- Working Temp: -40 ~ 70°C
- Storage Temp: -40 ~85°C
- Working Humidity: 10%~95% non-condensing

> Power

- 24VDC, 0.75A
- Power Consumption: 6W

> Interfaces

- 1x 10/100/1000 Base-T Ethernet (Gigabit LAN with Passive PoE)
- Grounding Terminal

>Security

- Integrated Firewall
- WPA/WPA2;WPA-PSK/WPA2-PSK (AES/TKIP) Encryption; 64/128-bit WEP;

>LED

- Power:On/Off
- ETH:On/Off/Flashing
- WLAN:On/Off/Flashing
- RSSI Signal: 1,2,3

>Warranty

- 2 Years

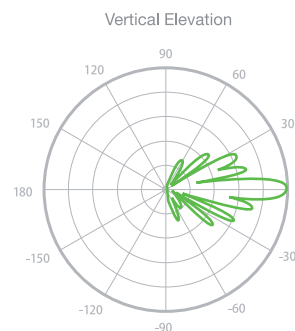
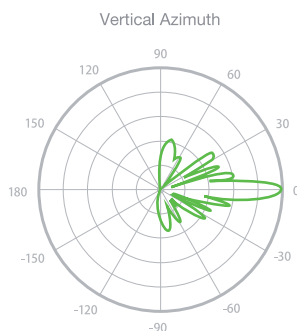
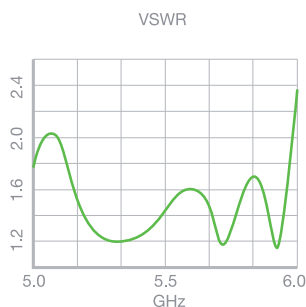
>Certification

- CE, RoHS

>Package content

- WIS-G5250 Feedhorn Radio
- 25dBi Dish
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting bracket & kits

Antenna Information





DECLARATION OF CONFORMITY

We, Importer/Distributor DOTMEDIA LTD

KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

In accordance with the following Directives:

**EMC Directive 2004/108/EC, Low Voltage Directive 2006 /95/EC,
R&TTE Directive 1999/5/EC**

The product is compatible with the following norms/standards

<u>Applied Standards</u>	<u>Report No.</u>
Article 3.2 : Effective Use OF the Radio Spectrum ETSI EN 300 328 V1.7.1 (2006-10)	TEK-2013NT1213776R1 (07/01/2015)
Article 3.1b : Electromagnetic Compatibility ETSI EN 301 489-17 V2.2.1 (2012-09) ETSI EN301 489-1 V1.9.2 (2011-09)	NTEK-2013NT1213774E1 (07/01/2015)
Article 3.1a : Health and Safety ETSI EN 62311:2008 EN 60950-1:2006+A11:2009+A1:2010+A12:2011	NTEK-2013NT1213774H (07/01/2015) NTEK-2013NT1213776S (23/01/2015)

Hereby we declare that:

Equipment ACCESS POINTS
Model number
D5230/G5250/D523AC/WCAP/WCAP-AC-OS/WCAP-AC-OL
/WCAP-AC/WCAP-AC-L/WCAP-AC/WCAP-AC-PROM/WCAP/WCAP-
WS/WCAP-AC-W/WCAP-HP/WCAP V2-5pcs/WCAP-AC-L-
5pcs/WCAP-AC-5pcs/ WIS-S800AC/WIS-S806AC/
Brand name WISnetworks

Is in conformity with the applicable requirements of the following documents
I hereby declare that the equipment named above has been designed to comply with the
Relevant sections of the above referenced specifications. The unit complies with all
Applicable Essential Requirements of the Directives

Place and date of issue

AXARNAI, 09/03/2018

Signature

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΩΣΙΜΩΝ ΕΙΔΩΝ
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ
ΧΩΝΔΡΙΚΟ ΕΜΠΟΡΙΟ ΚΑΙ ΠΡΟΪΟΝΤΑ ΕΞΟΧΗΣ ΚΑΤΑΓΕΓΟΝΙΑΣ
ΚΑΤΕΒΑΣΙΑΣ 18 & ΝΤΑΛΙΑΣ, ΑΧΑΡΝΕΣ Τ.Κ. 17671
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(Theodoros Mavroeidis)